

## IN THE CLAIMS

Kindly rewrite claims 4, 9, 22, 28, 29, and 51 as follows:

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32 1. (Twice amended) A test strip for chemical analysis of a sample, adapted for use in combination with a measuring device having a test port and capable of performing a multiplicity of testing functionalities, said test strip comprising:

- (a) a support capable of releasably engaging said test port;
  - (b) at least one reaction area on said support for receiving said sample; and
  - (c) an indicator capable of interacting with said test port to select one of said multiplicity of testing functionalities of said measuring device, wherein said indicator comprises at least one electrically conductive indicator contact capable of engaging at least two electrically conductive pins within said test port to thereby select one of said multiplicity of testing functionalities of said measuring device.
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33 4. (Twice amended) A test strip for chemical analysis of a sample, adapted for use in combination with a measuring device having a test port and capable of performing a multiplicity of testing functionalities, said test strip comprising:

- (a) a support capable of releasably engaging said test port;
  - (b) at least one reaction area on said support for receiving said sample; and
  - (c) an indicator capable of interacting with said test port to select one of said multiplicity of testing functionalities of said measuring device, wherein said indicator comprises at least one projection on said support, said at least one projection capable of mechanically engaging at least one pin within said test port to thereby select one of said multiplicity of testing functionalities of said measuring device.
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6. (Twice amended) A test strip for chemical analysis of a sample, adapted for use in combination with a measuring device having a test port and capable of performing a multiplicity of testing functionalities, said test strip comprising:

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- (a) a support capable of releasably engaging said test port;
  - (b) at least one reaction area on said support for receiving said sample; and
  - (c) an indicator capable of interacting with said test port to select one of said multiplicity of testing functionalities of said measuring device, wherein said indicator comprises at least one depression on said support, said at least one depression capable of mechanically engaging at least one pin within said test port to thereby select one of said multiplicity of testing functionalities of said measuring device.

9. (Twice amended) A test strip for chemical analysis of a sample, adapted for use in combination with a measuring device having a test port and capable of performing a multiplicity of testing functionalities, said test strip comprising:

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- (a) a support capable of releasably engaging said test port;
  - (b) at least one reaction area on said support for receiving said sample; and
  - (c) an indicator capable of interacting with said test port to select one of said multiplicity of testing functionalities of said measuring device, wherein said indicator comprises an optically detectable pattern capable of signaling or being detected by an optical detector in said test port to thereby select one of said multiplicity of testing functionalities of said measuring device.

22. (Twice amended) A test port for use in a measuring device capable of performing a multiplicity of testing functionalities and adapted for use with the test strip of claim 1, said test port comprising at least two electrically conductive pins, said at least two electrically conductive pins capable of specifically interacting with said at least one electrically conductive

indicator contact on said test strip to thereby select one of said multiplicity of testing functionalities of said measuring device.

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28. (Twice amended) A measuring device having a multiplicity of testing functionalities for chemical analysis, adapted for use with the test strip of claim 1, said device comprising:

(a) a test port comprising at least two electrically conductive pins, said at least two electrically conductive pins capable of specifically interacting with said at least one electrically conductive indicator contact on said test strip to thereby select one of said multiplicity of testing functionalities of said measuring device; and

(b) a multiplicity of test circuitries for specifically measuring reactions on said test strip, said multiplicity of said test circuitries corresponding to said multiplicity of testing functionalities.

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29. (Once amended) A test port for use in a measuring device capable of performing a multiplicity of testing functionalities and adapted for use with the test strip of claim 6, wherein said test port comprises a pattern of at least one indentation or hole, wherein said at least one indentation or hole fails to displace at least one pin of said test strip upon insertion of said test strip into said test port to thereby select one of said multiplicity of testing functionalities of said measuring device.

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51. (Once amended) A measuring device having a multiplicity of testing functionalities for chemical analysis, adapted for use with the test strip of claim 6, said device comprising:

(a) a test port comprising a pattern of at least one indentation or hole, wherein said at least one indentation or hole fails to displace at least one pin of said test strip upon insertion of said test strip into said test port to

thereby select one of said multiplicity of testing functionalities of said measuring device; and

2a (b) a multiplicity of test circuitries for specifically measuring reactions on said test strip, said multiplicity of said test circuitries corresponding to said multiplicity of testing functionalities.